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|----------|-------|--|---|----|----|------------------|
| S12<br>7 | 4142  | 707/104.1  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2005/05/26 13:15 |
| S12<br>8 | 35017 | steganograph\$4 or ((digital\$4 or<br>electronic\$4) near4 watermark\$4)<br>or ((data or information) near4<br>(hid\$4 or embed\$4)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2005/05/26 13:15 |
| S12<br>9 | 993   | (select\$4 choos\$4 pick\$4) same<br>(stegano\$7 watermark\$4) same<br>(techniqu\$4 method\$4)                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2005/05/26 13:15 |
| S13<br>0 | 180   | S129 same (which appropriat\$3<br>respectiv\$4 multiple\$4 few\$5)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2005/05/26 13:16 |
| S13<br>1 | 74    | S124 and S130  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2005/05/26 13:16 |
| S13<br>2 | 37    | S125 and S130  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2005/05/26 13:16 |
| S13<br>3 | 0     | S126 and S130  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2005/05/26 13:16 |
| S13<br>4 | 11    | S127 and S130  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2005/05/26 13:16 |

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| S11<br>3 | 191  | (which appropriat\$3 respectiv\$4)<br>same (stegano\$7 watermark\$4)<br>same (techniqu\$4 method\$4)<br>same (use using apply\$3) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2004/11/15 16:41 |
| S11<br>4 | 71   | S107 and S113   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2004/11/11 17:06 |
| S11<br>5 | 832  | (select\$4 choos\$4 pick\$4) same<br>(stegano\$7 watermark\$4) same<br>(techniqu\$4 method\$4)                                    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2005/05/26 13:15 |
| S11<br>6 | 333  | 382/100.ccls. and S115  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2004/11/15 16:41 |
| S11<br>7 | 246  | S116 and (which appropriat\$3<br>respectiv\$4)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2005/05/26 13:16 |
| S11<br>8 | 110  | S115 same (which appropriat\$3<br>respectiv\$4)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2004/11/15 16:41 |
| S11<br>9 | 55   | 382/100.ccls. and S118  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2004/11/15 16:41 |
| S12<br>2 | 1    | "6647125".pn. and (data near4<br>format\$3)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2004/11/16 11:52 |
| S12<br>3 | 0    | "6647125".pn. and (remote<br>wireless)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2004/11/16 11:52 |
| S12<br>4 | 1648 | 382/100.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2005/05/26 13:14 |
| S12<br>5 | 1334 | 713/176.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2005/05/26 13:14 |
| S12<br>6 | 4668 | 707/10.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2005/05/26 13:14 |

| Ref # | Hits  | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|-------|---|---|------------------|---------|------------------|
| S1    | 1023  | 382/100.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR               | ON      | 2005/05/26 13:14 |
| S2    | 701   | 713/176.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR               | ON      | 2005/05/26 13:14 |
| S3    | 3109  | 707/10.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR               | ON      | 2005/05/26 13:14 |
| S4    | 21478 | steganograph\$4 or ((digital\$4 or electronic\$4) near4 watermark\$4) or ((data or information) near4 (hid\$4 or embed\$4))                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR               | ON      | 2005/05/26 13:15 |
| S5    | 511   | 382/100.ccls. and (steganograph\$4 or ((digital\$4 or electronic\$4) near4 watermark\$4) or ((data or information) near4 (hid\$4 or embed\$4))) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR               | ON      | 2003/08/13 14:43 |
| S6    | 326   | 713/176.ccls. and (steganograph\$4 or ((digital\$4 or electronic\$4) near4 watermark\$4) or ((data or information) near4 (hid\$4 or embed\$4))) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR               | ON      | 2003/08/04 17:39 |
| S7    | 357   | 707/10.ccls. and (steganograph\$4 or ((digital\$4 or electronic\$4) near4 watermark\$4) or ((data or information) near4 (hid\$4 or embed\$4)))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR               | ON      | 2003/08/01 12:49 |

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|-----|------|---|---|----|----|------------------|
| S8  | 60   | ("6377946" "5745895" "5912696"<br>"6359573" "6424980" "6510425"<br>"6249557" "6141441" "5924090"<br>"6317700" "6317751" "6341525"<br>"6356921" "6397219" "6446509"<br>"6466940" "4169290" "4352164"<br>"5551016" "5588067" "5663552"<br>"5726907" "5881728" "6005682"<br>"6133947" "6323934" "6233578"<br>"6314563" "6411724" "6446035"<br>"6233540" "5193185" "5646997"<br>"5852435" "5912972" "5920897"<br>"6044378" "6047374" "6101604"<br>"6105107" "6115818" "6163842"<br>"6173287" "6173380" "4782461"<br>"4894565" "4939668" "5019992"<br>"5278769" "5463563").pn.<br>("5644766" "5734119" "5852251"<br>"5889685" "5946414" "6098056"<br>"6157396" "6160810" "6169700"<br>"6205466").pn. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2003/08/13 14:41 |
| S9  | 2900 | 707/104.1   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2005/05/26 13:15 |
| S10 | 295  | 707/104.1 and (steganograph\$4<br>or ((digital\$4 or electronic\$4)<br>near4 watermark\$4) or ((data or<br>information) near4 (hid\$4 or<br>embed\$4)))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2003/08/05 16:13 |
| S11 | 5456 | (meta\$data or (meta near data))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2003/08/05 16:16 |
| S12 | 71   | 382/100.ccls. and ((meta\$data or<br>(meta near data)))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2003/08/11 12:31 |
| S13 | 49   | 713/176.ccls. and ((meta\$data or<br>(meta near data)))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2003/08/04 17:39 |
| S14 | 70   | ((meta\$data or (meta near data)))<br>and 382/100.ccls. and<br>(steganograph\$4 or ((digital\$4 or<br>electronic\$4) near4 watermark\$4)<br>or ((data or information) near4<br>(hid\$4 or embed\$4)))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2003/08/11 17:00 |

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| S15 | 37   | ((meta\$data or (meta near data))) and 713/176.ccls. and (steganograph\$4 or ((digital\$4 or electronic\$4) near4 watermark\$4) or ((data or information) near4 (hid\$4 or embed\$4)))  | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/08/04 18:09 |
| S16 | 438  | 382/284.ccls.   | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/08/04 17:41 |
| S17 | 6417 | 382/276-308.ccls.   | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/08/04 17:41 |
| S18 | 6    | ((meta\$data or (meta near data))) and 382/284.ccls.  | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/08/04 17:41 |
| S19 | 1    | ((meta\$data or (meta near data))) and 382/284.ccls. and (steganograph\$4 or ((digital\$4 or electronic\$4) near4 watermark\$4) or ((data or information) near4 (hid\$4 or embed\$4)))  | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/08/04 17:41 |
| S20 | 50   | ((meta\$data or (meta near data))) and 382/276-308.ccls.  | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/08/04 17:48 |
| S21 | 1744 | (acquir\$4 or obtain\$4 or get\$4 or deriv\$4 or captur\$4) same (meta\$data or (meta near data))   | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/08/05 16:58 |
| S22 | 17   | ((acquir\$4 or obtain\$4 or get\$4 or deriv\$4 or captur\$4) same (meta\$data or (meta near data))) and 382/100.ccls. and (steganograph\$4 or ((digital\$4 or electronic\$4) near4 watermark\$4) or ((data or information) near4 (hid\$4 or embed\$4))) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/08/04 18:22 |
| S23 | 13   | ((acquir\$4 or obtain\$4 or get\$4 or deriv\$4 or captur\$4) same (meta\$data or (meta near data))) and 713/176.ccls. and (steganograph\$4 or ((digital\$4 or electronic\$4) near4 watermark\$4) or ((data or information) near4 (hid\$4 or embed\$4))) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON | 2003/08/04 18:15 |

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|-----|-------|--|---|----|----|------------------|
| S24 | 61    | (acquir\$4 or obtain\$4 or get\$4 or deriv\$4 or captur\$4) same (meta\$data or (meta near data)) same (steganograph\$4 or ((digital\$4 or electronic\$4) near4 watermark\$4) or ((data or information) near4 (hid\$4 or embed\$4)))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2003/08/04 18:24 |
| S25 | 9     | ((acquir\$4 or obtain\$4 or get\$4 or deriv\$4 or captur\$4) same (meta\$data or (meta near data)) same (steganograph\$4 or ((digital\$4 or electronic\$4) near4 watermark\$4) or ((data or information) near4 (hid\$4 or embed\$4)))) same (combin\$4 or connect\$4 or adjoin\$4 or attach\$5 or join\$4 or assembl\$4 or accumul\$4) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2003/08/05 16:59 |
| S26 | 18424 | digital near camera  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2003/08/05 16:12 |
| S27 | 170   | (digital near camera) same (steganograph\$4 or ((digital\$4 or electronic\$4) near4 watermark\$4) or ((data or information) near4 (hid\$4 or embed\$4)))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2003/08/05 16:53 |
| S28 | 3     | ((digital near camera) same (steganograph\$4 or ((digital\$4 or electronic\$4) near4 watermark\$4) or ((data or information) near4 (hid\$4 or embed\$4)))) same (meta\$data or (meta near data))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2003/08/05 16:55 |
| S29 | 3     | "6122403".pn. or "5862260".pn. or "5841978".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2003/08/05 16:28 |
| S30 | 86    | "5646997".URPN.  | USPAT                                       | OR | ON | 2003/08/05 16:28 |
| S31 | 35    | hershey-john-e.in.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2003/08/05 16:36 |
| S32 | 9     | harrison-daniel-d.in.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2003/08/05 16:36 |
| S33 | 1     | grabb-mark-l.in.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2003/08/05 16:36 |

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| S34 | 3  | welles-kenneth-b.in.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2003/08/05 16:36 |
| S35 | 0  | nestler-douglas-g.in.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2003/08/05 16:51 |
| S36 | 0  | harrison-daniel-d.in. and<br>grabb-mark-l.in. and<br>welles-kenneth-b.in.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2003/08/05 16:52 |
| S37 | 0  | hershey-john-e.in. and<br>welles-kenneth-b.in.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2003/08/05 16:52 |
| S38 | 0  | hershey-john-e.in. and<br>harrison-daniel-d.in. and<br>grabb-mark-l.in. and<br>welles-kenneth-b.in.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2003/08/05 16:52 |
| S39 | 48 | hershey-john-e.in. or<br>harrison-daniel-d.in. or<br>grabb-mark-l.in. or<br>welles-kenneth-b.in.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2003/08/05 16:52 |
| S40 | 0  | (hershey-john-e.in. or<br>harrison-daniel-d.in. or<br>grabb-mark-l.in. or<br>welles-kenneth-b.in.) and<br>(meta\$data or (meta near data))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2003/08/05 16:53 |
| S41 | 0  | (hershey-john-e.in. or<br>harrison-daniel-d.in. or<br>grabb-mark-l.in. or<br>welles-kenneth-b.in.) and<br>(steganograph\$4 or ((digital\$4 or<br>electronic\$4) near4 watermark\$4)<br>or ((data or information) near4<br>(hid\$4 or embed\$4))) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2003/08/05 17:32 |
| S42 | 77 | "5646997".URPN. and<br>(steganograph\$4 or ((digital\$4 or<br>electronic\$4) near4 watermark\$4)<br>or ((data or information) near4<br>(hid\$4 or embed\$4)))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2003/08/05 16:55 |
| S43 | 5  | ("5646997".URPN. and<br>(steganograph\$4 or ((digital\$4 or<br>electronic\$4) near4 watermark\$4)<br>or ((data or information) near4<br>(hid\$4 or embed\$4)))) and<br>(meta\$data or (meta near data))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2003/08/05 16:55 |

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| S44 | 212045 | (acquir\$4 or obtain\$4 or get\$4 or deriv\$4 or captur\$4) same (meta\$data or (meta near data) or id or uid or (identif\$7) or (unique near identif\$7))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2003/08/05 16:59 |
| S45 | 49081  | ((acquir\$4 or obtain\$4 or get\$4 or deriv\$4 or captur\$4) same (meta\$data or (meta near data) or id or uid or (identif\$7) or (unique near identif\$7))) same (combin\$4 or connect\$4 or adjoin\$4 or attach\$5 or join\$4 or assembl\$4 or accumul\$4)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2003/08/05 17:01 |
| S46 | 8518   | ((((acquir\$4 or obtain\$4 or get\$4 or deriv\$4 or captur\$4) same (meta\$data or (meta near data) or id or uid or (identif\$7) or (unique near identif\$7))) same (combin\$4 or connect\$4 or adjoin\$4 or attach\$5 or join\$4 or assembl\$4 or accumul\$4)) same ((differen\$4 or subtract\$4)))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2003/08/05 17:02 |
| S47 | 30     | (((((acquir\$4 or obtain\$4 or get\$4 or deriv\$4 or captur\$4) same (meta\$data or (meta near data) or id or uid or (identif\$7) or (unique near identif\$7))) same (combin\$4 or connect\$4 or adjoin\$4 or attach\$5 or join\$4 or assembl\$4 or accumul\$4)) same ((differen\$4 or subtract\$4))) same (steganograph\$4 or ((digital\$4 or electronic\$4) near4 watermark\$4) or ((data or information) near4 (hid\$4 or embed\$4)))) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2003/08/05 17:31 |
| S48 | 4964   | (figure\$of\$merit) or (figure near of near merit) or (figure near merit)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2003/08/05 17:32 |
| S49 | 1      | ((figure\$of\$merit) or (figure near of near merit) or (figure near merit)) same (steganograph\$4 or ((digital\$4 or electronic\$4) near4 watermark\$4) or ((data or information) near4 (hid\$4 or embed\$4)))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2003/08/05 17:33 |
| S50 | 1      | "5659726".pn.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2003/08/06 09:51 |



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| S51 | 1    | "6122392".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON  | 2003/08/06 09:52 |
| S52 | 9    | (US-6434701-\$ or US-6278791-\$<br>or US-6427020-\$ or US-5949055-\$<br>or US-5867118-\$ or US-6411724-\$<br>or US-5646997-\$ or<br>US-6549922-\$).did. or<br>(US-20020001395-\$).did.                               | US-PGPUB;<br>USPAT                          | OR | OFF | 2003/08/06 13:29 |
| S53 | 9    | ((US-6434701-\$ or US-6278791-\$<br>or US-6427020-\$ or US-5949055-\$<br>or US-5867118-\$ or US-6411724-\$<br>or US-5646997-\$ or<br>US-6549922-\$).did. or<br>(US-20020001395-\$).did.) and<br>(stor\$4 or memory)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON  | 2003/08/06 13:30 |
| S54 | 7    | ((US-6434701-\$ or US-6278791-\$<br>or US-6427020-\$ or US-5949055-\$<br>or US-5867118-\$ or US-6411724-\$<br>or US-5646997-\$ or<br>US-6549922-\$).did. or<br>(US-20020001395-\$).did.) and<br>(stor\$4 and memory) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON  | 2003/08/06 13:32 |
| S55 | 1029 | ((electro\$optical) or (electro near<br>optical)) near3 (image)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON  | 2003/08/06 13:33 |
| S56 | 0    | ((((electro\$optical) or (electro near<br>optical)) near3 (image)) same<br>(steganograph\$4 or ((digital\$4 or<br>electronic\$4) near4 watermark\$4)<br>or ((data or information) near4<br>(hid\$4 or embed\$4)))    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON  | 2003/08/06 13:36 |
| S57 | 18   | ((((electro\$optical) or (electro near<br>optical)) near3 (image)) and<br>(steganograph\$4 or ((digital\$4 or<br>electronic\$4) near4 watermark\$4)<br>or ((data or information) near4<br>(hid\$4 or embed\$4)))     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON  | 2003/08/07 13:59 |
| S58 | 26   | chen-brian.in.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON  | 2003/08/07 14:00 |
| S59 | 7    | chen-brian.in. and<br>(steganograph\$4 or ((digital\$4 or<br>electronic\$4) near4 watermark\$4)<br>or ((data or information) near4<br>(hid\$4 or embed\$4)))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON  | 2003/08/07 14:29 |

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| S60 | 6   | (chen-brian.in. and (steganograph\$4 or ((digital\$4 or electronic\$4) near4 watermark\$4) or ((data or information) near4 (hid\$4 or embed\$4)))) and (match\$4 or compar\$4 or correspond\$4)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2003/08/07 14:48 |
| S61 | 21  | ("4073010"   "5418531"   "5502576"   "5613004"   "5636292"   "5646997"   "5659726"   "5664018"   "5687236"   "5689587"   "5692205"   "5748763"   "5778038"   "5809139"   "5828325"   "5901178"   "5915027"   "5940135"   "5960398"   "6031914"   "6037984").PN. | USPAT                                       | OR | ON | 2003/08/07 14:53 |
| S62 | 1   | "5646997".pn. and (user near4 meta\$data)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2003/08/11 12:31 |
| S63 | 74  | (digital near camera) same ((meta\$data or (meta near data)))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2003/08/11 12:33 |
| S64 | 1   | "6292092".pn. and (spatial and parameter)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2003/08/11 12:52 |
| S65 | 311 | ((meta\$data or (meta near data))) same (steganograph\$4 or ((digital\$4 or electronic\$4) near4 watermark\$4) or ((data or information) near4 (hid\$4 or embed\$4)))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2003/08/11 17:34 |
| S66 | 3   | ((((meta\$data or (meta near data))) same (steganograph\$4 or ((digital\$4 or electronic\$4) near4 watermark\$4) or ((data or information) near4 (hid\$4 or embed\$4)))) same (hash\$4 and encrypt\$4)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2003/08/11 17:35 |

|     |    |  |   |    |    |                  |
|-----|----|--|---|----|----|------------------|
| S67 | 60 | (("6377946" "5745895" "5912696"<br>"6359573" "6424980" "6510425"<br>"6249557" "6141441" "5924090"<br>"6317700" "6317751" "6341525"<br>"6356921" "6397219" "6446509"<br>"6466940" "4169290" "4352164"<br>"5551016" "5588067" "5663552"<br>"5726907" "5881728" "6005682"<br>"6133947" "6323934" "6233578"<br>"6314563" "6411724" "6446035"<br>"6233540" "5193185" "5646997"<br>"5852435" "5912972" "5920897"<br>"6044378" "6047374" "6101604"<br>"6105107" "6115818" "6163842"<br>"6173287" "6173380" "4782461"<br>"4894565" "4939668" "5019992"<br>"5278769" "5463563").pn.<br>("5644766" "5734119" "5852251"<br>"5889685" "5946414" "6098056"<br>"6157396" "6160810" "6169700"<br>"6205466").pn.                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2003/08/13 14:41 |
| S68 | 1  | ((("6377946" "5745895" "5912696"<br>"6359573" "6424980" "6510425"<br>"6249557" "6141441" "5924090"<br>"6317700" "6317751" "6341525"<br>"6356921" "6397219" "6446509"<br>"6466940" "4169290" "4352164"<br>"5551016" "5588067" "5663552"<br>"5726907" "5881728" "6005682"<br>"6133947" "6323934" "6233578"<br>"6314563" "6411724" "6446035"<br>"6233540" "5193185" "5646997"<br>"5852435" "5912972" "5920897"<br>"6044378" "6047374" "6101604"<br>"6105107" "6115818" "6163842"<br>"6173287" "6173380" "4782461"<br>"4894565" "4939668" "5019992"<br>"5278769" "5463563").pn.<br>("5644766" "5734119" "5852251"<br>"5889685" "5946414" "6098056"<br>"6157396" "6160810" "6169700"<br>"6205466").pn. ) and (remote<br>near4 location) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2003/08/13 14:45 |

|     |    |   |   |    |    |                  |
|-----|----|---|---|----|----|------------------|
| S69 | 14 | ((("6377946" "5745895" "5912696" "6359573" "6424980" "6510425" "6249557" "6141441" "5924090" "6317700" "6317751" "6341525" "6356921" "6397219" "6446509" "6466940" "4169290" "4352164" "5551016" "5588067" "5663552" "5726907" "5881728" "6005682" "6133947" "6323934" "6233578" "6314563" "6411724" "6446035" "6233540" "5193185" "5646997" "5852435" "5912972" "5920897" "6044378" "6047374" "6101604" "6105107" "6115818" "6163842" "6173287" "6173380" "4782461" "4894565" "4939668" "5019992" "5278769" "5463563").pn. ("5644766" "5734119" "5852251" "5889685" "5946414" "6098056" "6157396" "6160810" "6169700" "6205466").pn. ) and (steganograph\$4 or ((digital\$4 or electronic\$4) near4 watermark\$4) or ((data or information) near4 (hid\$4 or embed\$4))))                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2003/08/13 14:43 |
| S70 | 4  | ((("6377946" "5745895" "5912696" "6359573" "6424980" "6510425" "6249557" "6141441" "5924090" "6317700" "6317751" "6341525" "6356921" "6397219" "6446509" "6466940" "4169290" "4352164" "5551016" "5588067" "5663552" "5726907" "5881728" "6005682" "6133947" "6323934" "6233578" "6314563" "6411724" "6446035" "6233540" "5193185" "5646997" "5852435" "5912972" "5920897" "6044378" "6047374" "6101604" "6105107" "6115818" "6163842" "6173287" "6173380" "4782461" "4894565" "4939668" "5019992" "5278769" "5463563").pn. ("5644766" "5734119" "5852251" "5889685" "5946414" "6098056" "6157396" "6160810" "6169700" "6205466").pn. ) and (steganograph\$4 or ((digital\$4 or electronic\$4) near4 watermark\$4) or ((data or information) near4 (hid\$4 or embed\$4)))) and (remot\$4) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2003/08/13 14:45 |

|     |       |   |                                    |    |     |                  |
|-----|-------|---|------------------------------------|----|-----|------------------|
| S71 | 13    | (US-6233347-\$ or US-6411724-\$ or US-5946414-\$ or US-5646997-\$ or US-6427020-\$ or US-6278791-\$ or US-6549922-\$ or US-6434701-\$ or US-5949055-\$ or US-5867118-\$ or US-6560029-\$ or US-6292092-\$).did. or (US-20020001395-\$).did.   | US-PGPUB; USPAT                    | OR | OFF | 2004/05/13 14:41 |
| S72 | 13    | ((US-6233347-\$ or US-6411724-\$ or US-5946414-\$ or US-5646997-\$ or US-6427020-\$ or US-6278791-\$ or US-6549922-\$ or US-6434701-\$ or US-5949055-\$ or US-5867118-\$ or US-6560029-\$ or US-6292092-\$).did. or (US-20020001395-\$).did.) and (portion\$2 region\$2 sub\$region\$3 block\$1 (figur\$3 near merit))  | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON  | 2004/05/13 14:46 |
| S73 | 1     | ((US-6233347-\$ or US-6411724-\$ or US-5946414-\$ or US-5646997-\$ or US-6427020-\$ or US-6278791-\$ or US-6549922-\$ or US-6434701-\$ or US-5949055-\$ or US-5867118-\$ or US-6560029-\$ or US-6292092-\$).did. or (US-20020001395-\$).did.) and ((figur\$3 near merit))   | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON  | 2004/05/13 14:44 |
| S74 | 8     | ((US-6233347-\$ or US-6411724-\$ or US-5946414-\$ or US-5646997-\$ or US-6427020-\$ or US-6278791-\$ or US-6549922-\$ or US-6434701-\$ or US-5949055-\$ or US-5867118-\$ or US-6560029-\$ or US-6292092-\$).did. or (US-20020001395-\$).did.) and ((portion\$2 region\$2 sub\$region\$3 block\$1 (figur\$3 near merit)) with (combin\$4 add\$5 steganog\$9 watermark\$3)) | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON  | 2004/05/20 13:29 |
| S75 | 27068 | steganograph\$4 or ((digital\$4 or electronic\$4) near4 watermark\$4) or ((data or information) near4 (hid\$4 or embed\$4))   | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON  | 2004/05/20 13:28 |
| S76 | 367   | (steganograph\$4 or ((digital\$4 or electronic\$4) near4 watermark\$4) or ((data or information) near4 (hid\$4 or embed\$4))) same (meta\$data metadata)  | US-PGPUB; USPAT; EPO; JPO; IBM_TDB | OR | ON  | 2004/05/20 14:49 |

|          |      |   |   |    |    |                  |
|----------|------|---|---|----|----|------------------|
| S77      | 0    | ((steganograph\$4 or ((digital\$4 or electronic\$4) near4 watermark\$4) or ((data or information) near4 (hid\$4 or embed\$4)))) same (meta\$data metadata)) same (figur\$3 near4 merit)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2004/05/20 13:29 |
| S78      | 199  | ((steganograph\$4 or ((digital\$4 or electronic\$4) near4 watermark\$4) or ((data or information) near4 (hid\$4 or embed\$4)))) same (meta\$data metadata)) and ((portion\$2 region\$2 sub\$region\$3 block\$1 (figur\$3 near merit)) with (combin\$4 add\$5 steganog\$9 watermark\$3)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2004/05/20 13:30 |
| S79      | 143  | ((steganograph\$4 or ((digital\$4 or electronic\$4) near4 watermark\$4) or ((data or information) near4 (hid\$4 or embed\$4)))) same (meta\$data metadata)) and ((portion\$2 region\$2 sub\$region\$3 block\$1 (figur\$3 near merit)) with (combin\$4 add\$5))                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2004/05/20 14:46 |
| S80      | 3297 | (steganograph\$4 or ((digital\$4 or electronic\$4) near4 watermark\$4) or ((data or information) near4 (hid\$4 or embed\$4)))) same ((insert\$3 mix\$3 combin\$5 embed\$4 hid\$3) with (locat\$4 position\$3 where))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2004/05/20 14:48 |
| S81      | 31   | ((steganograph\$4 or ((digital\$4 or electronic\$4) near4 watermark\$4) or ((data or information) near4 (hid\$4 or embed\$4)))) same ((insert\$3 mix\$3 combin\$5 embed\$4 hid\$3) with (locat\$4 position\$3 where))) same (meta\$data metadata)                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2004/05/20 18:09 |
| S82      | 29   | entropy with watermark\$3   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2004/11/11 11:43 |
| S99      | 832  | (select\$4 choos\$4 pick\$4) same (stegano\$7 watermark\$4) same (techniqu\$4 method\$4)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2004/11/11 16:39 |
| S10<br>0 | 4    | S99 same (entropy)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2004/11/11 11:47 |

|          |      |  |   |    |    |                  |
|----------|------|--|---|----|----|------------------|
| S10<br>1 | 17   | S99 same (entropy speckle\$2 shift\$3)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2004/11/11 11:47 |
| S10<br>2 | 6    | S99 same (entropy speckle\$2 shift\$3) same (imag\$3)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2004/11/11 11:47 |
| S10<br>3 | 450  | (multipl\$3 few) same (stegano\$7 watermark\$4) same (techniqu\$4 method\$4)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2004/11/11 16:40 |
| S10<br>4 | 60   | S103 same (select\$4 choos\$4 pick\$4)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2004/11/11 16:40 |
| S10<br>5 | 806  | (multipl\$3 few pluralit\$4) same (stegano\$7 watermark\$4) same (techniqu\$4 method\$4)                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2004/11/15 16:39 |
| S10<br>6 | 168  | S105 same (select\$4 choos\$4 pick\$4)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2004/11/11 16:44 |
| S10<br>7 | 1453 | 382/100.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2004/11/11 16:41 |
| S10<br>8 | 74   | S107 and S106  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2004/11/11 16:41 |
| S10<br>9 | 23   | S105 same (select\$4 choos\$4 pick\$4) same (appropriat\$3 respectiv\$4)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2004/11/11 16:44 |
| S11<br>0 | 0    | (which) same (stegano\$7 watermark\$4) same (techniqu\$4 method\$4) same (us\$3 apply\$3)                            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2004/11/11 17:04 |
| S11<br>1 | 317  | (which appropriat\$3 respectiv\$4) same (stegano\$7 watermark\$4) same (techniqu\$4 method\$4) same (us\$3 apply\$3) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2004/11/11 17:06 |
| S11<br>2 | 107  | S107 and S111  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>IBM_TDB | OR | ON | 2004/11/11 17:06 |